CHAPTER 7 REFERENCES

Abbey, D.E., M.D. Lebowitz, P.K. Mills, F.F. Petersen, W.L. Beeson and R.J. Burchette. 1995. "Long-term Ambient Concentrations of Particulates and Oxidants and Development of Chronic Disease in a Cohort of Nonsmoking California Residents." *Inhalation Toxicology* 7: 19-34.

Abbey, D.E., F.F. Petersen, P.K. Mills and L. Kittle. 1993a. "Chronic Respiratory Disease Associated with Long Term Ambient Concentrations of Sulfates and Other Air Pollutants." *Journal of Exposure Analysis and Environmental Epidemiology* 3(Suppl. 1): 99-115.

Abbey, D.E., F. Petersen, P.K. Mills, and W.L. Beeson. 1993b. "Long-Term Ambient Concentrations of Total Suspended Particulates, Ozone and Sulfur Dioxide and Respiratory Symptoms in a Non-Smoking Population." *Archives of Environmental Health* 48(1):33-46.

Amdur, M.O., J. Doull, and C.D. Klaassen, eds. 1991. *Casarett and Doull's Toxicology: The Basic Science of Poisons*. 4th ed. New York: Pergamon Press, Inc. pp. 857-863.

American Lung Association. 1978. Health Effects of Air Pollution. New York, NY.

American Thoracic Society. 1991. "Report of the ATS Workshop on the Health Effects of Atmospheric Acids and Their Precursors." *American Review of Respiratory Disease* 144:464-467.

Bates, D.V., and R. Sizto. 1989. "The Ontario Air Pollution Study: Identification of the Causative Agent." *Environmental Health Perspectives* 79:69-72.

Berger, M.C., G.C. Blomquist, D. Kenkel, and G.S. Tolley. 1987. "Valuing Changes in Health Risks: A Comparison of Alternative Measures." *Southern Economic Journal* 53(4):967-984.

Bos, E. et al. 1992. World Population Projections 1992-1993 Edition: Estimates and Projection with Related Demographic Statistics. Johns Hopkins University Press: Baltimore, Maryland. November.

Burnett, R.T., R.E. Dales, D. Krewski, R. Vincent, T. Dann, and J. Brooke. 1995. "Associations between Ambient Particulate Sulfate and Admissions to Ontario Hospitals for Cardiac and Respiratory Diseases." *American Journal of Epidemiology* 142(1):15-22. May.

Burnett, R.T., R.E. Dales, M.E. Raizenne, D. Krewski, P.W. Summers, G.R. Roberts, M. Raad-Young, T. Dann, and J. Brooke. 1994. "Effects of Low Ambient Levels of Ozone and Sulfates on

the Frequency of Respiratory Admissions to Ontario Hospitals." *Environmental Research* 65:172-194. May.

Chappie, M., and L. Lave. 1982. "The Health Effects of Air Pollution: A Reanalysis." *Journal of Urban Economics* 12:346-76.

Chang, J.S., P.B. Middleton, W.R. Stockwell, C.J. Walcek, J.E. Pleim, H.H. Lansford, and F.S. Binkowski. 1990. *The Regional Acid Deposition Model and Engineering Model*. NAPAP SOS/T Report 4, National Acid Precipitation Assessment Program, Washington, D.C.

Chen, L.C., S.M. Peoples, and M.O. Amdur. 1991. "Pulmonary Effects of Sulfur Oxides on the Surface of Copper Oxide Aerosol." *American Industrial Hygiene Association Journal* 52(5):187-191.

Chestnut, L.G., and D.M. Violette. 1984. *Estimates of Willingness to Pay for Pollution-Induced Changes in Morbidity: A Critique for Benefit-Cost Analysis of Pollution Regulation*. EPA-230-07-85-009. Report prepared for the U.S. Environmental Protection Agency, Washington D.C.

Chestnut, L.G., S.D. Colome, L.R. Keller, W.E. Lambert, B. Ostro, R.D. Rowe, and S.L. 2Wojciechowski. 1988. *Heart Disease Patients' Averting Behavior, Costs of Illness, and Willingness to Pay to Avoid Angina Episodes*. Final Report to the Office of Policy Analysis, U.S. EPA, Washington D.C. October.

Cropper, M.L. and A.M. Freeman III. 1991. "Environmental Health Effects." *Measuring the Demand for Environmental Quality*. J.B. Braden and C.D. Kolstad (ed.) North-Holland. New York.

Dennis, R.L., W.R. Barchet, T.L. Clark, and S.K. Seilkop. 1990. *Evaluation of Regional Acid Deposition Models (Part I)*. NAPAP SOS/T Report 5. In: Acidic Deposition: State of Science and Technology. National Acid Precipitation Assessment Program. September.

Dennis, R.L., J.N. McHenry, W.R. Barchet, F.S. Binkowski, and D.W. Byun. 1993. "Correcting RADM's Sulfate Underprediction: Discovery and Correction of Model Errors and Testing the Corrections through Comparisons Against Field Data." *Atmospheric Environment* 37A(6):975-997.

Dockery, D.W. and C.A. Pope III. 1994. "Acute Respiratory Effects of Particulate Air Pollution." *Annual Review of Public Health* 15:107-132.

Dockery, D.W., C.A. Pope III, X. Xu, J.D. Spengler, J.H. Ware, M.E. Fay, B.G. Ferris, Jr., and F.E. Speizer. 1993. "An Association Between Air Pollution and Mortality in Six U.S. Cities." *The New England Journal of Medicine* 329(24):1753-9.

Dockery, D.W., J. Schwartz, and J.D. Spengler. 1992. "Air Pollution and Daily Mortality: Associations with Particulates and Acid Aerosols." *Environmental Research* 59:362-373.

Euler, G.L., D.E. Abbey, J.E. Hodgkin, and A.R. Magie. 1987. "Chronic Obstructive Pulmonary Disease Symptom Effects of Long-Term Cumulative Exposure to Ambient Levels of Particulates and Sulfur Dioxide in California Seventh-Day Adventist Residents." *Archives of Environmental Health* 42: 213-22.

Evans, J.S., T. Tosteson, and P.L. Kinney. 1984. "Cross-Sectional Mortality Studies and Air Pollution Risk Assessment." *Environment International* 10:55-83.

Ferris, B.G., Jr. 1978. "Health Effects of Exposure to Low Levels of Regulated Air Pollutants: A Critical Review." *Journal of the Air Pollution Control Association* 28(May):482-497.

Ferris, B.G., Jr., H. Chen, S. Puleo, and R.L.H. Murphy, Jr. 1976. "Chronic Non-specific Respiratory Disease in Berlin, New Hampshire, 1967-1973. A Further Follow-up Study." *American Review of Respiratory Disease* 113:475-485.

Ferris, B.G., Jr., I.T.T. Higgins, M.W. Higgins, and J.M. Peters. 1973. "Chronic Non-specific Respiratory Disease in Berlin, New Hampshire, 1961-67. A Follow-up Study." *American Review of Respiratory Disease* 107:110-122.

Fisher, A., L.G. Chestnut, and D.M. Violette. 1989. "The Value of Reducing Risks of Death: A Note On New Evidence." *Journal of Policy Analysis and Management* 8(1):88-100.

Folinsbee, L.J. 1992. "Human Health Effects of Air Pollution. *Environmental Health Perspectives* 100 (April): 45-56.

Freeman, A.M. III. 1993. *The Measurement of Environmental and Resource Values: Theory and Practice*. Washington D.C.: Resources for the Future.

Fujimaki, H., N. Katayama, and K. Wakamori. 1992. "Enhanced Histamine Release from Lung Mast Cells of Guinea Pigs Exposed to Sulfuric Acid Aerosols." *Environmental Research* 58:117-123.

Gearhart, J.M. and R.B. Schlesinger. 1988. "Response of the Tracheobronchial Mucociliary Clearance System to Repeated Irritant Exposure: Effect of Sulfuric Acid Mist on Function and Structure." *Exp. Lung Res.* 14:587-605.

Gearhart, J.M. and R.B. Schlesinger. 1989. "Sulfuric Acid-Induced Changes in the Physiology and Structure of the Tracheobronchial Airways." *Environ. Health Perspect.* 79:127-137.

Gong, H., Jr. 1992. "Health Effects of Air Pollution: A Reviews of Clinical Studies." *Clinical Chest Medicine* 13 (June): 201-14.

Graham, J.A. 1990. *Direct Health Effects of Air Pollutants Associated with Acidic Precursor Emissions*. State of Science and Technology Report 22. Prepared by the National Acid Precipitation Assessment Program, Washington, D.C.

Grant, L.D. 1990. *Indirect Health Effects Associated with Acidic Deposition*. State of Science and Technology Report 23. Prepared by the National Acid Precipitation Assessment Program, Washington, D.C.

Graves, E.J. 1994. *Detailed Diagnoses and Procedures National Hospital Discharge Survey,* 1992. National Center for Health Statistics. Vital and Health Statistics 13(118). Hyattsville, Maryland.

Hall, J.V., A.M. Winer, M. Kleinman, F.W. Lurmann, V. Brajer, S.D. Colome, R.D. Rowe, L.G. Chestnut, D. Foliart, L. Coyner, and A.F. Horwatt. 1989. *Economic Assessment of the Health Benefits from Improvement in Air Quality in the South Coast Air Basin*. Prepared for South Coast Air Management District by California State University Fullerton Foundation, Fullerton, California. Contract No. 5685. June.

Harrison, D. and A.L. Nichols. 1990. *Benefits of the 1989 Air Quality Management Plan for the South Coast Air Basin: A Reassessment*. Prepared for California Council for Environmental and Economic Balance by National Economic Research Associates, Inc., Cambridge, Massachusetts.

Hodgkin, J.E., D.E. Abbey, G.L. Euler, and A.R. Magie. 1984. "COPD Prevalence in Nonsmokers in High and Low Photochemical Air Pollution Areas." *Chest* 86:830-838.

ICF Resources, Inc. 1994. *Economic Analysis of the Title IV Requirements of the 1990 Clean Air Act Amendments*. Prepared for the U.S. Environmental Protection Agency, Office of Air and Radiation, Acid Rain Division, Washington, D.C. February.

Jones-Lee, M.W., M. Hammerton, and P.R. Philips. 1985. "The Value of Safety: Results of a National Sample Survey." *The Economic Journal* 95(March):49-72.

Koenig, J.Q., K. Dumler, V. Rebolledo, P.V. Williams, and W.E. Pierson. 1993. "Respiratory Effects of Inhaled Sulfuric Acid on Senior Asthmatics and Nonasthmatics." *Archives of Environmental Health* 48(3):171-175.

Krupnick, A.J. 1986. *A Preliminary Benefits Analysis of The Control of Photo chemical Oxidants*. Report prepared for the U.S. Environmental Protection Agency, Washington D.C. September.

Krupnick, A.J. and M.L. Cropper. 1989. *Valuing Chronic Morbidity Damages: Medical Costs, Labor Market Effects, and Individual Valuations*. Final Report to U.S. EPA, Office of Policy Analysis.

Krupnick, A.J. and M.L. Cropper. 1992. "The Effect of Information on Health Risk Valuations." *Journal of Risk and Uncertainty* 5:29-48.

Krupnick, A.J. and R. Kopp. 1988. *The Health and Agricultural Benefits from Reductions in Ambient Ozone in the United States*. Resources for the Future, Washington, D.C. Discussion Paper QE88-10.

Krupnick, A.J., W. Harrington, and B. Ostro. 1990. "Ambient Ozone and Acute Health Effects: Evidence from Daily Data." *Journal of Environmental Economics and Management* 18(1):1-18.

Lave, L.B. and E.P. Seskin. 1977. *Air Pollution and Human Health*. Johns Hopkins University Press for Resources for the Future. Baltimore and London.

Lee, S.D. and J.B. Mudd, eds. 1979. *Assessing Toxic Effects of Environmental Pollutants*. 2nd Printing. Ann Arbor, Michigan: Ann Arbor Science Publishers, Inc. pp. 173-186.

Lipfert, F.W. 1994. Air Pollution and Community Health. New York: Van Nostrand Reinhold.

Loehman, E.T., S.V. Berg, A.A. Arroyo, R.A. Hedinger, J.M. Schwartz, M.E. Shaw, R.W. Fahien, V.H. De, R.P. Fishe, D.E. Rio, W.F. Rossley, and A.E.S. Green. 1979. "Distributional Analysis of Regional Benefits and Cost of Air Quality Control." *Journal of Environmental Economics and Management* 6:222-243.

Miller, T.R. 1989. "Willingness to Pay Comes of Age: Will the System Survive?" *Northwestern University Law Review* 83:876-907.

Moore, M.J. and W.K. Viscusi. 1988. "The Quantity-Adjusted Value of Life." *Economic Inquiry* 26:369-388.

National Acid Precipitation Assessment Program (NAPAP). 1991. 1990 Integrated Assessment Report. Office of the Director, Washington, D.C.

National Center for Health Statistics. 1992. *Current Estimates from the Health Interview Survey*, 1991. Series 10, No. 184, DHHS Publication No. (PHS) 93-1512, Hyattsville, MD.

Office of Management and Budget. 1992. Revised Circular No. A-94, Revised Technical Memorandum No. 64: Guidelines and Discount Rates for Benefit-Cost Analysis of federal Programs. Transmittal Memorandum No. 64 from Richard Darman, Director, Executive Office of the President, Office of Management & Budget, Washington D.C. October 29.

Ostro, B.D. 1983. "The effects of air pollution on work loss and morbidity." *Journal of Environmental Economics and Management* 10:371-382.

Ostro, B.D. 1987. "Air Pollution and Morbidity Revisited: A Specification Test." *Journal of Environmental Economics and Management* 14:87-98.

Ostro, B.D. 1990. "Associations Between Morbidity and Alternative Measures of Particulate Matter." *Risk Analysis* 10:421-427.

Ostro, B.D. and S. Rothschild. 1989. "Air Pollution and Acute Respiratory Morbidity: An Observational Study of Multiple Pollutants." *Environmental Research* 50:238-247.

Ostro, B.D., M.J. Lipsett, J.K. Mann, A. Krupnick and W. Harrington. 1993. "Air Pollution and Respiratory Morbidity among Adults in Southern California." *American Journal of Epidemiology* 137(7): 691-700.

Ostro, B.D., M.J. Lipsett, M.B. Wiener, and J.C. Selner. 1991. "Asthmatic Responses to Airborne Acid Aerosols." *American Journal of Public Health* 81:694-702.

Ostro, B.D., J.M. Sanchez, C. Aranda, and G.S. Eskeland. In press. "Air Pollution and Mortality: Results from a Study of Santiago, Chile." *Journal of Exposure Analysis and Environmental Epidemiology*.

Ozkaynak, H. and G. Thurston. 1987. "Associations Between 1980 U.S. Mortality Rates and Alternative Measures of Airborne Particle Concentration." *Risk Analysis* 7:449-62.

Palisade Corporation. 1994. *Risk Analysis and Simulation Add-In for Microsoft Excel or Lotus 1-2-3*. Release 3.0. Newfield, New York.

Plagiannakos, T. and J. Parker. 1988. *An Assessment of Air Pollution Effects on Human Health in Ontario*. Ontario Hydro, March.

Pope, C.A., III, M.J. Thun, M.M. Namboodiri, D.W. Dockery, J.S. Evans, F.E. Speizer, and C.W. Heath, Jr. 1995. "Particulate Air Pollution as a Predictor of Mortality in a Prospective Study of U.S. Adults." *American Journal of Respiratory and Critical Care Medicine* 151:669-674.

Portney, P.R., and J. Mullahy. 1990. "Urban Air Quality and Chronic Respiratory Disease." *Regional Science and Urban Economics* 20:407-418.

Rowe, R.D. and L.G. Chestnut. 1986. *Oxidants and Asthmatics in Los Angeles: A Benefits Analysis--Executive Summary*. Prepared by Energy and Resource Consultants, Inc. Report to the U.S. EPA office of Policy Analysis. EPA-230-09-86-018. Washington D.C. March.

Rowe, R.D. and T.N. Neithercut. 1987. *Economic Assessment of the Impacts of Cataracts*. Prepared for U.S. Environmental Protection Agency, Office of Policy, Planning, and Evaluation. Washington, D.C.

Rowe, R.D., L.G. Chestnut, and W.D. Shaw. 1984. "Oxidants and Asthmatics in Los Angeles: A Benefits Analysis." *Evaluation of the Ozone/Oxidants Standards*. Si Duk Lee (ed.) Air Pollution Control Association. Pittsburgh.

Rowe R.D., C.M. Lang, L.G. Chestnut, D.A. Latimer, D.A. Rae, S.M. Bernow, and D.E. White. In press. *The New York Electricity Externality Study*. Oceana Publications, Inc. Dobbs Ferry, NY.

Schlesinger, R.B., M. Halpern, R.E. Albert, and M. Lippmann. 1979. "Effect of Chronic Inhalation of Sulfuric Acid Mist Upon Mucociliary Clearance from the Lungs of Donkeys." *J. Environ. Pathol. Toxicol.* 2:1351-1367.

Schlesinger, R.B., J.T. Zelikoff, L.C.Chen, and P.L. Kinney. 1992. "Assessment of Toxicologic Interactions Resulting from Acute Inhalation Exposure to Sulfuric Acid and Ozone Mixtures." *Toxicology and Applied Pharmacology* 115:183-190.

Schwartz, J., and D.W. Dockery. 1992a. "Increased Mortality in Philadelphia Associated with Daily Air Pollution Concentrations." *American Review of Respiratory Disease* 145:600-604.

Schwartz, J., and D.W. Dockery. 1992b. "Particulate Air Pollution and Daily Mortality in Steubenville, Ohio." *American Journal of Epidemiology* 135(1):12-19.

Schwartz, J., and R. Morris. 1995. "Air Pollution and Cardiovascular Hospital Admissions." *American Journal of Epidemiology* 142: in press.

Shepard, D.S. and R.J. Zeckhauser. 1982. "Life-Cycle Consumption and Willingness to Pay for Increased Survival." *The Value of Life and Safety*. M.W. Jones-Lee (ed.) North-Holland. New York.

Snell, B., L. Robinson, and B. Unsworth. 1993. "Comparison of Morbidity, Visibility, and Forest Valuation Studies to Contingent Valuation Guidelines." Memorandum prepared by Industrial Economics, Inc. for the U.S. EPA, Office of Air and Radiation, Washington, D.C. September 30.

Statistics Canada. 1994. 1994 Canada Year Book. Ottaway, Canada.
Thayer, M. 1991. Valuing the Environmental Impacts of Alternative Energy Resources: Phase III Task I Report. Prepared by Regional Economic Research for the California Energy Commission, Sacramento, California. July 15.

- Thurston, G.D., K. Ito, C.G. Hayes, D.V. Bates, and M. Lippmann. 1994. "Respiratory Hospital Admissions and Summertime Haze Air Pollution in Toronto, Ontario. *Environmental Research* 65:271-290.
- Thurston, G.D., P. Kinney, K. Ito, and M. Lippmann. 1992. "Daily Respiratory Hospital Admissions and Summer Haze Air Pollution in Several New York Metropolitan Areas." *American Review of Respiratory Disease* 145(4:2):A429.
- Tolley, G.S., L. Babcock, M. Berger, A. Bilotti, G. Blomquist, R. Fabian, G. Fishelson, C. Kahn, A. Kelly, D. Kenkel, R. Kumm, T. Miller, R. Ohsfeldt, S. Rosen, W. Webb, W. Wilson, and M. Zelder. 1986. *Valuation of Reductions in Human Health Symptoms and Risks*. Prepared at the University of Chicago. Final Report for the U.S. EPA, Grant #CR-811053-01-0. January.
- Unsworth, R.E. and J.E. Neumann. 1993. "Review of Existing Value of Morbidity Avoidance Estimates: Draft Valuation Document." Memorandum prepared for the U.S. EPA, Office of Air and Radiation, Washington, D.C. September 30.
- U.S. Bureau of the Census. 1990. Census of Population and Housing, 1990: Summary Tape File 3 on CD-ROM Technical Documentation. Washington, DC.
- U.S. Bureau of the Census. 1994. *Statistical Abstract of the United States: 1994* (114th edition). Washington, D.C.
- U.S. Department of Labor. 1995. Bureau of Labor Statistics. Washington, D.C.
- U.S. Environmental Protection Agency. 1982. *Air Quality Criteria for Particulate Matter and Sulfur Oxides. Volumes I-IV*. Prepared by the Environmental Criteria and Assessment Office, Research Triangle Park, NC. EPA-600/8-82-029.
- U.S. Environmental Protection Agency. 1984. *Regulatory Impact Analysis on the National Ambient Air Quality Standards for Particulate Matter*. Prepared by the Strategies and Air Standards Division, Office of Air, Noise and Radiation, Research Triangle Park, NC. February 21.
- U.S. Environmental Protection Agency. 1986a. Second Addendum to Air Quality Criteria for Particulate Matter and Sulfur Oxides (1982): Assessment of Newly Available Health Effects Information. EPA/600/8-86-020F. Prepared by the Environmental Criteria and Assessment Office, Research Triangle Park, NC.
- U.S. Environmental Protection Agency. 1986b. *Review of the National Ambient Air Quality Standards for Particulate Matter: Updated Assessment of Scientific and Technical Information: Addendum to the 1982 OAQPS Staff Paper*. EPA/450/05-86-012. Prepared by the Office of Air Quality Planning and Standards, Research Triangle Park, NC.

- U.S. Environmental Protection Agency. 1986c. *Regulatory Impact Analysis on the National Ambient Air Quality Standards for Particulate Matter: Second Addendum*. Prepared by the Strategies and Air Standards Division, Research Triangle Park, NC. December.
- U.S. Environmental Protection Agency. 1988. *Regulatory Impact Analysis on the National Ambient Air Quality Standards for Sulfur Oxides (Sulfur Dioxide)*. Prepared by the Office of Air and Radiation, Research Triangle Park, NC. March.
- U.S. Environmental Protection Agency. 1989. *An Acid Aerosols Issue Paper: Health Effects and Aerometrics*. EPA/600/8-88/005F. Prepared by the Office of Health and Environmental Assessment, Washington, D.C.
- U.S. Environmental Protection Agency. 1994. Supplement to the Second Addendum (1986) to Air Quality Criteria for Particulate Matter and Sulfur Oxides (1982): Assessment of New Findings on Sulfur Dioxide Acute Exposure Health Effects in Asthmatic Individuals. Research Triangle Park, NC. Environmental Criteria and Assessment Office. EPA Report No. EPA-600/AP-93/002. August.
- U.S. Environmental Protection Agency. 1995. *Air Quality Criteria for Particulate Matter. Volumes I-III*. External Review Draft. Prepared by the Office of Research and Development, Washington, D.C. April. EPA/600/AP-95/001.
- Utell, M. J., and J. M. Samet. 1993, "Particulate Air Pollution and Health: New Evidence on an Old Problem." *American Review of Respiratory Disease* 147:1334-35.
- Violette, D.M., and L.G. Chestnut. 1983. *Valuing Reductions in Risks: A Review of the Empirical Estimates*. EPA-230-05-83-002. Report prepared for the U.S. Environmental Protection Agency, Washington, D.C.
- Viscusi, W.K. 1992. Fatal Tradeoffs: Public and Private Responsibilities for Risk. Oxford University Press. New York.
- Viscusi, W.K., W.A. Magat, and J. Huber. 1991. "Pricing Environmental Health Risks: Survey Assessments of Risk-Risk and Risk-Dollar Trade-offs for Chronic Bronchitis." *Journal of Environmental Economics and Management* 21(1):32-51.
- Zelikoff, J.T. and R.B. Schlesinger. 1992. "Modulation of Pulmonary Immune Defense Mechanisms by Sulfuric Acid: Effects on Macrophage-Derived Tumor Necrosis Factor and Superoxide." *Toxicology* 76:271-281.